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Complete set of claims

1(original). A photosensitive composition for an interlayer insulation film, characterized by comprising: a modified polysilsesquiazane having a weight average molecular weight of 500 to 200,000 comprising basic constitutional units represented by formula -[SiR¹(NR²)_{1.5}]- wherein R¹'s each independently represent an alkyl group having 1 to 3 carbon atoms or a substituted or unsubstituted phenyl group; R²'s each independently represent hydrogen, an alkyl group having 1 to 3 carbon atoms, or a substituted or unsubstituted phenyl group, up to 50% by mole of said basic constitutional units having been replaced by a linking group other than the silazane bond; and a photoacid generating agent.

2(original). The photosensitive composition for an interlayer insulation film according to claim 1, wherein said modified polysilsesquiazane further comprises 0.1 to 100% by mole, based on said basic constitutional units, of other constitutional units represented by formula -[SiR³2NR²]- and/or [SiR³3(NR²)0.5]- wherein R³'s each independently represent hydrogen, an alkyl group having 1 to 3 carbon atoms, or a substituted or unsubstituted phenyl group; and R²'s each independently represent hydrogen, an alkyl group having 1 to 3 carbon atoms, or a substituted or unsubstituted phenyl group.

3(currently amended). The photosensitive composition for an interlayer insulation film according to claim 1 or 2, wherein said linking group is represented by formula (I):

Serial No. To Be Assigned Filed: January 13, 2004

$$\begin{pmatrix}
R^4 \\
Si-O \\
R^5
\end{pmatrix}_{p}$$
(I)

wherein R⁴ and R⁵ each independently represent hydrogen, or an alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkylamino, alkylsilyl, or alkoxy group; and p is an integer of 1 to 10.

4(currently amended). The photosensitive composition for an interlayer insulation film according to claim 1 or 2, wherein said linking group is represented by formula (II):

$$\frac{\begin{pmatrix} R^{6} \\ Si-R^{10} \end{pmatrix} \xrightarrow{R^{8}} \begin{cases} R^{8} \\ Si-NR^{2} - R^{2} \\ R^{7} \end{cases}}{q R^{9}} \qquad (II)$$

wherein R⁶, R⁷, R⁸, and R⁹ each independently represent an alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkylamino, alkylsilyl, or alkoxy group; R¹⁰ represents an oxygen atom or an alkylene, alkenylene, cycloalkylene, arylene, alkylimino, or alkylsilylene group; R²'s each independently represent hydrogen, an alkyl group having 1 to 3 carbon atoms, or a substituted or unsubstituted phenyl group; and q is an integer of 1 to 10.

5(original). The photosensitive composition for an interlayer insulation film according to claim 4, wherein R^6 , R^7 , R^8 , and R^9 represent a methyl group, R^{10} represents a phenylene group, R^2 represents hydrogen, and q is 1.

6(currently amended). The photosensitive composition for an interlayer insulation film according to any one of claims 1 to 5 claim 1, wherein said photoacid generating agent is selected from the group consisting of sulfoxime compounds and triazine compounds.

Serial No. To Be Assigned Filed: January 13, 2004

7(currently amended). The photosensitive composition for an interlayer insulation film according to any one of claims 1 to 5 claim 1, which further comprises 0.1 to 40% by mass, based on the photosensitive composition, of a dissolution preventive selected from the group consisting of t-butoxycarbonylated catechol, t-butoxycarbonylated hydroquinone, di-t-butyl benzophenone-4,4'-dicarboxylate, and di-t-butyl 4,4'-oxydibenzolate.

8(currently amended). The photosensitive composition for an interlayer insulation film according to any one of claims 1 to 5 claim 1, which further comprises a nitro- or carbonic ester-containing water-soluble compound as a shape stabilizer.

9(currently amended). The photosensitive composition for an interlayer insulation film according to any one of claims 1 to 5 claim 1, which further comprises a sensitizing dye.

10(original). A method for forming a patterned interlayer insulation film, characterized by comprising: forming a coating of a photosensitive composition for an interlayer insulation film, comprising a modified polysilsesquiazane and a photoacid generating agent, said modified polysilsesquiazane having a weight average molecular weight of 500 to 200,000 comprising basic constitutional units represented by formula - [SiR¹(NR²)₁.5]- wherein R¹'s each independently represent an alkyl group having 1 to 3 carbon atoms or a substituted or unsubstituted phenyl group, R²'s each independently represent hydrogen, an alkyl group having 1 to 3 carbon atoms, or a substituted or unsubstituted phenyl group, up to 50% by mole of said basic constitutional units having been replaced by a linking group other than a silazane bond; exposing said coating pattern-wise to light; dissolving and removing the coating in its exposed area; and subjecting the resultant patterned coating in an ambient atmosphere to standing or baking.

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Serial No. To Be Assigned Filed: January 13, 2004

11(new). The photosensitive composition for an interlayer insulation film according to claim 2, wherein said linking group is represented by formula (I):

$$\begin{pmatrix}
R^4 \\
Si-O \\
R^5
\end{pmatrix} p$$
(I)

wherein R^4 and R^5 each independently represent hydrogen, or an alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkylamino, alkylsilyl, or alkoxy group; and p is an integer of 1 to 10.

12(new). The photosensitive composition for an interlayer insulation film according to claim 2, wherein said linking group is represented by formula (II):

$$\begin{pmatrix}
R^{6} \\
S_{1} - R^{10}
\end{pmatrix} \xrightarrow{R^{8}} S_{1} - NR^{2} - (II)$$

wherein R⁶, R⁷, R⁸, and R⁹ each independently represent an alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkylamino, alkylsilyl, or alkoxy group; R¹⁰ represents an oxygen atom or an alkylene, alkenylene, cycloalkylene, arylene, alkylimino, or alkylsilylene group; R²'s each independently represent hydrogen, an alkyl group having 1 to 3 carbon atoms, or a substituted or unsubstituted phenyl group; and q is an integer of 1 to 10.